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APPLICATION FOR U. S. LETTERS PATENT
ENTITLED
IMPROVED SIX DICE GAME
BY
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OF
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5 **Background**

6 **1. Field of the Invention.**

7 The present invention relates to casino games, and more particularly, but not by way of
8 limitation, to a wagering game employing dice in combination with common poker-like winning
9 hands that is intended to be played in gambling casinos, but which game can also be played in
10 non-gambling settings. Even more particularly, the instant invention is intended to give a
11 novel and new look and feel to the currently popular games of craps and poker, yet have
12 simplified rules and procedures designed both to encourage use by novice gamblers and to
13 increase the betting decisions per hour to maximize casino profit.

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15 **2. Description of the Prior Art**

16 Games of chance employing dice are as old as the invention of dice themselves. The
17 concept of using dice boxes in which to play dice games is also old. Even so, the prior art
18 discloses many novel dice box apparatuses and many novel dice games to be played in them.
19 Dice games generally employ one or more dice which, when thrown or rolled upon a
20 horizontal surface, determine a score based upon indicia displayed by the upwardly facing
21 sides or faces of the resting dice. Each die is in the form of a six sided cube, and each side
22 commonly has thereon different quantities of spots respectively representing the numbers 1, 2,
23 3, 4, 5 and 6. U.S. Pat. No. 2,657,065 is one such game wherein dice are projected at a
24 cylindrical chamber, the score being determined by the score on the dice which hit the
25 chamber. U.S. Pat. No. 4,247,114 discloses a game board with a walled center player area.
26 U.S. Pat. No. 4,648,602 discloses a hexagonal dice box, with a circumferential rim on which
27 score may be kept. Dice thrown into a dice box can occasionally result in a miss, wherein the
28 dice miss the box or fly out of it after being thrown. When this happens, the dice are usually
29 retrieved and thrown again. However, a game such as the present invention which allows the
30 player an opportunity to improve his score when he throws again, combined with a double
31 dice box provides a novel and entertaining way to play dice.

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5 U.S. Patent 4,430,780 issued in 1990 to Goodman et al. discloses a method of playing a
6 dice game wherein a dice box having two play compartments is separated by a common wall,
7 one compartment of which is used to catch the dice when thrown, the second compartment
8 acting as a holding area in which dice are placed that have been counted in scoring, taking
9 them temporarily out of action. The game is played with six dice. Ones, fives and certain
10 multiple combinations are scored. Players may re-throw any dice which miss the play
11 compartment, and any score changes being caused by one die hitting another in the play
12 compartment are counted. A player must voluntarily surrender his turn while still
13 accumulating score in order for that score to be counted; if he fails to score on any throw of
14 the dice, any score accumulated during that turn is canceled.

15 U.S. Patent 5,350,175 which issued in 1994 to DiLullo et al. discloses a method of
16 playing a novel betting game with dice. A playing surface includes numerical zones that
17 represent the possible outcomes of the sum of either two rolls of a pair of dice or three rolls of
18 a pair of dice. Certain of these zones are defined as walls, and the other zones are provided
19 with payout rewards. In play, a number of players place "survival" bets. One player is
20 selected to begin rolling the pair of dice until either the maximum number of rolls is achieved
21 without hitting a wall, or the sum of each roll of the dice falls within a wall. If the sum of the
22 rolls of the dice falls within a wall, the survival bets are collected, the dice are passed to
23 another player, and the game begins again. Otherwise, the appropriate payout reward is paid to
24 each player who made a survival bet. Other single-roll side bets may be included for allowing
25 players to bet upon the chance outcome of high numbers, low numbers, doubled, or a
26 natural 12.

27 U.S. Patent 5,456,467 which issued in 1995 to Hoover discloses a method of playing a
28 poker dice game for entertaining players. The inventive game utilizes a plurality of dice and
29 may include score cards, a rule book, a dice agitator cup, and a storage box. A method of play
30 of the game includes rolling up to five dice and computing a score in accordance with the
31 numbers generated. Score is kept for each player with the winner being declared as the player

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5 by the displayed face of the bonus die, and the player throws a playing die, whereupon
6 throwing a one or a five the player adds the increased thrown score to the accumulated score
7 and whereupon throwing a two, three, four or six the player deducts the increased thrown
8 score from the accumulated score.

U.S. Patent No. 5,806,847 issued to White et. al of Las Vegas on September 15, 1998 for a game of chance having a playing surface including a plurality of betting areas. The betting areas have a plurality of betting squares for wagering upon a selected result produced by a random result selector such as dice. In one embodiment, the random result selector comprises plurality of dice having a plurality of faces, each face embossed with either a number or a special symbol. Each betting square contains result indicators that correspond to a selected one of the plurality of results. In addition, each betting square contains payoff indicator that indicates the payoff associated with a winning wager on the selected betting square. A single random result leads to a final and unequivocal outcome of all bets made on all betting squares. The playing surface is adapted to be placed over existing casino equipment, or may be used alone.

Virtually all casinos, especially those in the gaming capitals of the world, have board games that are played for gambling purposes. The oldest and most popular board games involve the use of dice to determine the outcome of wagers. Of these games, the most popular and well known is the game of craps. Craps has the reputation of being one of the fastest and most exciting table games offered by casinos. However, the game of craps presents various betting schemes that appear complicated to the uninitiated and the speed of play intimidates the beginner. As a result craps has a reputation of being difficult to learn and play. As a result, although craps is generally perceived to be exciting and attractive, many casino patrons are intimidated and discouraged from playing. This results in lost business for the casinos, and less gaming diversity for the gambling public. As an example of the complexity presented by the prior art gaming table games employing dice, a brief summary of the wagering and playing rules of craps follows. Craps revolves around the player who handles the dice, referred to as the "shooter." All players at the table essentially wager either with or against the shooter. That

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5 is, every player at the craps table wagers whether the shooter will "make a pass" and win the
6 game or fail to make a pass and thereby lose control of the dice to the next shooter. The
7 game of craps is initiated when a new shooter is first given the dice to throw what is referred
8 to as the "come-out" roll. However, to be eligible to throw the "come-out" roll, the shooter
9 must wager some money or the equivalent, usually the house minimum wager, on either the
10 "pass" or "don't pass" field located on the craps table. There are, of course, many other
11 wagers that are possible in addition to this one, but this initial wager must be made before the
12 shooter may roll the dice. The other players at the table have unrestricted wagers available to
13 them. There are many "side" bets that can be placed, each having different odds of success and
14 rates of return.

15 Disadvantageously, there are no markings on the craps table to indicate either the odds
16 of success or the return on investment for any particular wager. As a result, only experienced
17 players comprehend the risks involved in placing these side bets and, consequently, most
18 casual players do not partake of this form of wagering. The object of craps is for the shooter to
19 make a pass and continue throwing the dice. There are two identical cubical six-sided die used
20 in craps. Referred to collectively they are referred to as the dice. Both die have dimples or
21 dots embossed on their six sides. Each separate side thus represents a number corresponding to
22 the number of dimples on that side. Each separate side of a single die is dimpled to represent a
23 unique single number from one to six. Two dice are simultaneously rolled by a shooter
24 which must come to rest with an upper face corresponding to an integer number from one
25 through six. Thus the sum of the two upward faces must be an integer number from 2 through
26 12. The laws of probability dictate the chances of obtaining any one particular sum. The least
27 likely sums are a 2 or a 12 with the most likely sum being a 7. After placing a wager on either
28 the "pass line" or the "don't pass line", the shooter rolls the dice onto the craps table. If the
29 total of the dice rolled is equal to either 7 or 11, the shooter has passed; i.e., the "pass" line
30 wagers win and the "don't pass" line wagers lose. If the shooter rolls a "craps"--a total of either
31 2, 3, or 12--the "pass" line wagers lose and the "don't pass" line wagers win. If any other total

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Once the point is established, the house dealer places a white marker on a space on the table bearing the number corresponding to the point. If the shooter repeats the point before rolling a 7, the shooter once again "passes"--the pass line wagers win and the don't pass wagers lose. However, if the shooter rolls a 7 prior to repeating a roll of the point, the shooter does not pass, or "sevens-out", and the pass line wagers lose while the don't pass line wagers win. After a shooter "sevens-out", the dice are transferred to the next player, and the next player becomes the new shooter. Once a point is established, only a roll totaling that point, or a roll totaling "seven," will determine whether a pass line bet is won or, in the case of a "seven" roll, lost. All other numbers thrown in the interim affect only the success or failure of "side bets." Players may make side bets anytime during the play of the game. There are several areas on the craps table that are designated for side bets. For example, a side bet may be placed on either of the numbers 6 or 8 by placing money in the area designated for that wager. A 6 or 8 place bet is successful if the 6 or 8 is rolled, prior to the rolling of a 7. The 6 or 8 bet loses when a 7 is rolled, except on the come-out roll. The 6 and 8 place bet returns a payoff of 7 to 6. Place bets made on the 5 and 9 return a payoff of 7 to 5, and place bets on the 4 and 10 return a payoff of 9 to 5.

23 The payoffs are apportioned to adequately reward players who have risk a wager on a
24 given number but yet not quite adequately compensate them in proportion to the risk they have
25 taken. The difference is the house take. Since there is a house take on every bet made it is
26 clear that for the house to maximize its profits it should maximize the number of bets decided
27 per unit time.

Disadvantageously, the craps table playing surface does not indicate the availability, the payoffs, or the duration of the side bets. Different side bets are in effect for different periods of time. Some are effective for one roll only; others remain in effect until the shooter either "sevens-out" or makes the point. Nowhere on the craps table is there an indication of the

31 The great advantage with roulette, which leads to its popularity, is its simplicity and

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5 accessibility to the ever-increasing numbers of novice gamblers. For example, players can
6 wager on individual numbers, which payoff at very high odds, or on black or red, or even or
7 odd results. In addition to the easily understood rules and betting options, roulette offers
8 tremendous betting advantages to the casino, which ultimately results in more casino revenue.
9 Moreover, the number of wagers decided per hour, or "decisions per hour", is much higher in
10 roulette than in craps. For example, in craps, because the time to either make a point or seven-
11 out is indefinite, it may take several minutes to determine the outcome of a particular pass line
12 wager. In contrast, a wager in roulette is decided on every turn of the roulette wheel.
13 Consequently, roulette yields more money to the casino over a shorter period of time.

14 Another extremely popular game currently found in most Las Vegas casinos is the game
15 of poker, the rules of which are widely published and have numerous variations. This game
16 provides numerous betting options, but the game involves somewhat complicated and
17 increasing or decreasing odds depending on the number of decks of cards used. Winning hands
18 may include two pairs, three of a kind, four of a kind, and straights. The novel game is
19 significantly distinct from poker in that it also includes five of a kind, six of a kind, and six sixes,
20 as well as elements of roulette. This makes the novel game attractive to those who usually enjoy
21 roulette, as well as craps, progressive slots, and poker.

22 The complexity of the novel game over the prior art games is substantially diminished
23 and the novel method enables the game to move quickly thereby decreasing the associated
24 operational overhead. The great advantage with roulette, which leads to its popularity, is its
25 simplicity and accessibility to the ever-increasing numbers of novice gamblers.
26 Disadvantageously, roulette does not allow players to fully participate in the game. In most
27 casinos, particularly those found in the gaming capitols of the world, the ball and wheel are
28 handled only by dealers and others who represent the casino. One of the most appealing and
29 desirable features of any gaming activity is the ability for a member of the betting public to
30 directly participate in determining the outcome of wagers. Craps, for example, has been noted
31 as being especially enjoyable because the players are allowed to handle the dice and ultimately

26 U.S. Pat. No. 5,308,081, issued to Richard J. E. Bartle on May 3, 1994, discloses a
27 three dice betting game with a game board having various betting areas corresponding to
28 various dice roll outcomes. Payoffs for various outcomes are printed on the playing surface of
29 Bartle. However, the disclosed method of playing the Bartle game makes it abundantly clear
30 that multiple rolls of the dice are required to determine the outcome of the wagers. By
31 contrast, the instant invention is arranged such that the outcome of all wagers is fully and

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5 finally decided after each and every roll of the dice. None of the above prior art games,
6 inventions and patents, taken singly or in any combination, is seen to describe the instant
7 invention as claimed.

8 **3. Objects of the Invention**

9 For the foregoing reasons, there is a need for a combination of variety and simplicity of
10 betting wherein a winning bet is easily recognized. In many of the prior art dice games six dice
11 are thrown and points are scored or accumulated by throwing "triplets." While these games
12 provide a means for a number of players to compete they do not provide the added
13 challenge of receiving points for throwing different poker-like combinations of dice. These
14 prior art games, further, do not provide a means of providing suspense and also allowing a
15 winning bet at each successive throw. The prior art games are to a great extent based on
16 accumulated point value of the throw. It would be a benefit, therefore, to have a dice game
17 allowing players to compete against one another by throwing poker-related face of die
18 combinations such as two of kind, three of a kind, four of a kind, five of a kind, six of a kind, any
19 three pair, a straight, and substantially equally difficult- throwing six sixes, based on throwing
20 these various combinations of dice. It would be a further benefit to have a dice game that has a
21 second set of die for rolling to either double or triple a thrown score after a number of points
22 have been accumulated during a first throw.

23 It would be an additional benefit to have a dice game in which a group of three die of
24 one color or design is thrown to determine the extent to which the score is increased for bets
25 above a certain numerical value.

26 The gaming method disclosed is designed to quickly build excitement and anticipation
27 with only two successive rolls of the dice per game, and as such is intended as a quick paced and
28 an unusually exciting game to play and/or observe.

29 **SUMMARY OF THE INVENTION**

30 In a first embodiment, the present invention is directed to a novel game and board or
31 surface in combination with two sets consisting of three dice each, one set being visibly

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30 The present dice game, while exhibiting many valuable gaming features, as explained
31 below in more detail, also can be inexpensively manufactured and incurs minimal operational

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5 overhead expenses. While the present invention may, in one embodiment, comprise a separate,
6 approximately five-foot by eight-foot rectangular table, the present playing surface may be
7 formed as a thin overlay to be placed atop existing casino game table equipment such as craps
8 tables. In addition, if there are an insufficient number of players to warrant operating a full
9 table, the table may be split in half, with one half of the table unoccupied, and the other half
10 utilized for playing the game. Advantageously, the operational expenses associated with the
11 present game are low. To operate the present game, the casino need only employ one dealer.
12 Moreover, the game can easily be played with artificial money at home as a family recreation.

13 The game has a minimal number of rules, and the rules are readily apparent to the
14 novice gambler after very little observation.

15 In the case of electronic dice an actuating button or similar device would be made
16 accessible to each player on a rotating basis. In one preferred embodiment, if the "rolling
17 player," or "shooter," wins his or her bet, the shooter continues to roll the dice. Otherwise, the
18 dice are passed to the next player. In an alternative embodiment, there is a new shooter after
19 each and every roll of the dice. Therefore, the present game advantageously increases the
20 number of players directly involved in the ultimate outcome of the game, and thereby increases
21 player participation and satisfaction.

22 The playing surface is divided into a plurality of discrete areas that are used for different
23 wagering purposes. In one preferred embodiment, the table layout makes available twenty-five
24 different wagering spaces or combinations. A player wagers on the outcome of any selected roll
25 of the dice by placing a wager in a space dedicated for the selected wager. The spaces or
26 betting areas on the table correspond to all possible results or combinations of the two dice.
27 The player wins the wager if the combination of the two symbols shown on the dice
28 corresponds to the combination upon which the player wagered. Additionally, in the preferred
29 embodiment, the individual combinations may be combined into other wagers, referred to as
30 "field" or "line" wagers. If the player places a field or line wager, the player wins the wager if
31 the two symbols shown on the dice after the roll correspond to any of the several dice

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5 combinations covered by the field wager. In the preferred embodiment, the playing surface
6 also indicates the payoffs or returns on investment for each possible roll combination.
7 Therefore, each time that a player places a wager, the player may easily determine what the
8 return will be if the wager is successful. No a priori knowledge of the odds or payoffs is
9 necessary for the player to be able to determine the return on his investment. This provides a
10 significant advantage over the prior art games of chance employing dice.

11 In the preferred embodiment of the present game of chance, every wager is effective
12 until each set of three dice is thrown or rolled. A game is over after only two rolls of dice.
13 Therefore, in contrast to the prior art games, such as craps, the present game produces more
14 wagering decisions, successes or failures, per hour. This results in more overall revenue for
15 the casino. Moreover, the present invention yields a higher advantage to the casino than do the
16 prior art games. Thus the present invention represents a substantial improvement over casino
17 games of the prior art because it simplifies play and encourages wagering, which in turn leads
18 to increased entertainment and increased revenue for the casino.

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Brief Description of the Drawings

These and other features, aspects, and advantages of the present invention will become better understood with regard to the following description, appended claims, and accompanying drawings wherein:

Fig. 1 is a plan view of a first preferred embodiment of the playing surface of the invention;

Fig. 2 is perspective view of a set of six dice, three of one design and three of another design, which form part of the invention; and,

Fig. 3 depicts a plan view of a second preferred embodiment of the playing surface of the invention wherein various arrays have informational labels shown nearby.

Description of the Preferred Embodiment

The present invention will be described hereinafter with reference to the accompanying drawings and the rules of the novel game printed herein which illustrate an embodiment of the board and dice sets and the method of the invention.

The method of the invention incorporates the following rules, to wit:

RULES OF THE NOVEL GAME

1. The game of six shooters shall be played with a total of 6 dice, 3 of one color and 3 of a different color, thrown on a table or board by the players.

The table or board shall consist of different areas for placing various bets.

These areas shall be: open numbers from 3-35; 3 of a kind; 4 of a kind; 5 of a kind, straight; any 3 pair; and 6 of a kind, and six 6's.

2. To play the game, the first set of three (3) dice shall be thrown on the table or board and shall be used to pay off any bets on the open numbers of 3-35 by adding the 3 dice together for a total number. This total number shall also be used to pay off any bets of 3 of a kind as a higher odds bet.

3. The first set of dice shall remain on the table or board and shall be included in the betting after the second set of dice are thrown.



4. After the second set of 3 dice are thrown on the table or board, the total number shown on the 6 dice shall pay any bets on the open numbers 3-35 on the table, and this total shall also pay any bets placed on 3 of a kind, 4 of a kind, 5 of a kind, straight, any 3 pair, and six of a kind including six 6's as it appears on the table or board.

5. After all 6 dice are thrown, only exact matches shall be paid on bets. Example: 6 of a kind showing on the dice will only pay 6 of a kind bet, not 5 of a kind, 4 of a kind, or 3 of a kind, etc.

6. After each throw, the house shall pay any matching numbers on the open numbers of 3-35.

7. All bets shall be placed on game table or game board prior to any dice being thrown.

8. Customarily, no bets shall be accepted or placed after the first set of three dice are thrown. Optionally, the house may set and take additional bets between a throw of the first set of dice and a throw of the second set of dice.

9. Odds for all bets shall be set by the house.

10. A progressive pot for 6 of a kind and/or six 6's may be included as part of the betting at the option of the house.

The novel method specified by the above rules is best described by referring first to Fig. 1 where there is shown a board 10 with specific preferred layout on the surface 12. In the novel method six playing dice (shown in Fig. 2) are rolled or thrown onto the surface 12 by a player or shooter (not shown).

Shown in Fig. 2 are six playing dice 22, 24, 26, 32, 34, and 36. The dice 22, 24, and 26 make up a first set 30. The dice 32, 34, and 36 make up a second set 40. The novel method of the game is therefore played with a pair of dice sets 30 and 40. Note that the pair shown in Fig. 2 do not match each other.

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5 The first set 30 is visibly distinguishable from the second set 40. This is not a matter of
6 design choice but a necessity of the structure of the operational aspect of the game to decrease
7 the probability and/or prevent an error or issue in determining a winner in the event one or more
8 dice from the second set is accidentally dropped or thrown before the second or final throw.
9 Thus, it is an essential aspect of the novel game that in the event a die from the second set to be
10 thrown is placed on the surface 12 after the first set is thrown it is easily discernable and can be
11 removed without placing the particular turn and bets of the game at any turn in jeopardy. The
12 first set 20 is made up of the three dice 22, 24, and 26 which have a darker color than the second
13 set 30, for example. The second set 30 is made up of the three dice 32, 34, and 36.

14 The novel method is enabled by providing a planar game playing surface, the surface
15 12 marked as shown in Fig. 1, for example. The surface 12 has at least eight separately
16 delineated areas adapted for the placement of bets.

17 A first area 40, as shown in Fig. 1, is an array of 33 contiguous polygons with a number
18 selected from the group consisting of 3 through ³⁵31 appearing therein. A second area 42 is shown
19 with a rectangular array of six contiguous polygons each having a spot or spots (and/or an
20 equivalent matching numeral) therein selected from the group consisting of 1 through 6 spots.

21 A third area 44 is shown with a pyramidal array of six contiguous polygons each having a
22 spot or spots (and/or an equivalent matching numeral) therein selected from the group
23 consisting of 1 through 6 spots. The third area 44 has its polygon 45 containing three spots
24 shown with a bold outline indicative of three of a kind bets.

25 A fourth area 46, substantially the same as the second area 42 but located above it for
26 example, is shown with another rectangular array of six contiguous polygons each having a spot
27 or spots (and/or an equivalent matching numeral) therein selected from the group consisting of
28 1 through 6 spots. The fourth area 46 has its polygon 47 containing four spots shown with a bold
29 outline indicative of four of a kind bets. A fifth area 48, substantially the same as the second
30 area 42 but located elsewhere, for example, is shown with another rectangular array of six
31 contiguous polygons each having a spot or spots (and/or an equivalent matching numeral)

therein selected from the group consisting of 1 through 6 spots. The fifth area 48 has its polygon 49 containing five spots shown with a bold outline indicative of five of a kind bets.

A sixth area 50, is shown with two side by side, or adjacent, rectangular arrays of six contiguous polygons each having a spot or spots (and/or an equivalent matching numeral) therein selected from the group consisting of 1 through 6 spots. The sixth area 50 has two of its adjacent polygons 51 and 52 each containing one spot, shown with a bold outline enclosing these two polygons as indicative of three pairs bets or "any three pairs of two of a kind" bets.

A seventh area 54, is shown as a cruciform shape, for example, or an array of five contiguous polygons each having a spot or spots (and/or an equivalent matching numeral) therein selected from the group consisting of 1 through 5 spots. The seventh area 54 has all of its polygons shown with a bold outline 56 enclosing all of these five polygons as indicative of five of a kind bets exclusive of the bet category consisting of five of six spots.

An eighth area 60, is shown as a single polygon, a square, for example, having six spots (and/or an equivalent matching numeral) therein. The eighth area 60 is shown with a bold outline 62, enclosing all of the area 60 as indicative of six of a six and progressive bets exclusive of the bet category consisting of five of six spots previously described.

Any odds may be assigned or established by the house for payout of winning bets placed in any of the aforesaid eight separately delineated areas. Payout ratios may be from 2 to 1 for the most likely to win bet in integer increments up to 200 to 1 for the least likely to win bet, for example. The house may establish an initial order of play including which players are designated as first player, second player, and so on to a last player.

The game begins by initiating a round of play by a first player establishing a throw by throwing said first set 30 of dice onto the surface 12 for displaying a face-up side of each die within the first set; determining a player's score for the throw by adding the face-up sides of the three dice together; using the score of the first throw to pay any bets on the numbers 3 through 18; using the faces of the three die in the throw of the first set thrown to pay any bets on "3 of a kind"; displaying the Arabic numerals 3 through 35 in an array of similar geometric areas within

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Shown in Fig. 3 is a portion of a dice game wherein another preferred embodiment is made of a board 70 shown with specific designations for each of eight arrays shown thereon. The novel dice game of chance further includes the dice sets 30 and 40 shown in Fig. 2. The board 70 is a substantially flat surface adapted for the game using six die, three die being of one

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5 color or design and three die being of another color or design. The surface 72 further includes the
6 following arrays:

7 (a) a primary substantially rectangular array 74 having at least thirty-three similarly shaped and
8 sized contiguous polygonal areas, each area containing a different numeral selected from the
9 group consisting of 3 to 35;

(b) a cruciform shaped array 76 having at least five similarly shaped and sized contiguous polygonal areas wherein each polygonal area displays spots similar to spots appearing on dice, each polygonal area of the cruciform shaped array displaying a different set of spots selected exclusively from group consisting of one, two, three, four, and five spots, the cruciformed shaped array 76 being located above the primary array and having a printed designation stating “6 of a kind nearby;

(c) a first single column rectangular shaped array 78 having at least six similarly shaped and sized contiguous polygonal areas wherein each polygonal area displays spots similar to spots appearing on dice, each polygonal area of the last said array displaying a different set of spots selected exclusively from a group consisting of one, two, three, four, five and six spots, the last said array being located on one of two sides of the primary array; the array 78 having a designation "straight" nearby;

(d) a double column rectangular shaped array 80 having at least twelve similarly shaped and sized contiguous polygonal areas wherein each polygonal area displays spots similar to spots appearing on dice, each laterally adjacent polygonal area of the last said array displaying a pair of a different set of spots selected exclusively from a group consisting of one, two, three, four, five and six spots, the last said array being located on the other of the two sides of the primary array, the array 80 having a designation "any 3 pair" nearby;

(e) a shaped array 82 having at least five similarly shaped and sized contiguous polygonal areas wherein each polygonal area displays spots similar to spots appearing on a die, each polygonal area of the shaped array displaying a different set of spots selected exclusively from a group consisting of one, two, three, four, and five spots, the shaped array being located below

5 the primary array, the array 82 having a designation "3 of a kind" nearby ;
6 (f) a polygonal shaped area 86 enclosing six spots located above and separate from the
7 cruciform array, the area 86 having a designation "6 six's" nearby;
8 (g) a second single column rectangular shaped array 88 having at least six similarly shaped and
9 sized contiguous polygonal areas wherein each polygonal area displays spots similar to spots
10 appearing on dice, each polygonal area of the last said array displaying a different set of spots
11 selected exclusively from a group consisting of one, two, three, four, five and six spots, the last
12 said array being located on one of two sides of the cruciform array, the array 88 having a
13 designation "4 of a kind" nearby; and,
14 (h) a third single column rectangular shaped array 98 having at least six similarly shaped and
15 sized contiguous polygonal areas wherein each polygonal area displays spots similar to spots
16 appearing on dice, each polygonal area of the last said array displaying a different set of spots
17 selected exclusively from a group consisting of one, two, three, four, five and six spots, the last
18 said array being located on one of two sides of the cruciform array, the array 98 having a
19 designation "5 of a kind" nearby.

20 The set 30 consists of dice which are substantially and discernibly smaller than the dice
21 making up the set 40.

22 It is to be understood that the present invention is not limited to the embodiments
23 described herein, but in accordance with the doctrine of equivalents, including equivalents as to
24 functions as combined with appearance, encompasses any and all embodiments with the scope
25 of the following claims, to wit:

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